

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045646.D
 Acq On : 08 Apr 2025 12:51
 Operator : JC/MD
 Sample : PB167492ZHE04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE04

Quant Time: Apr 09 01:37:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

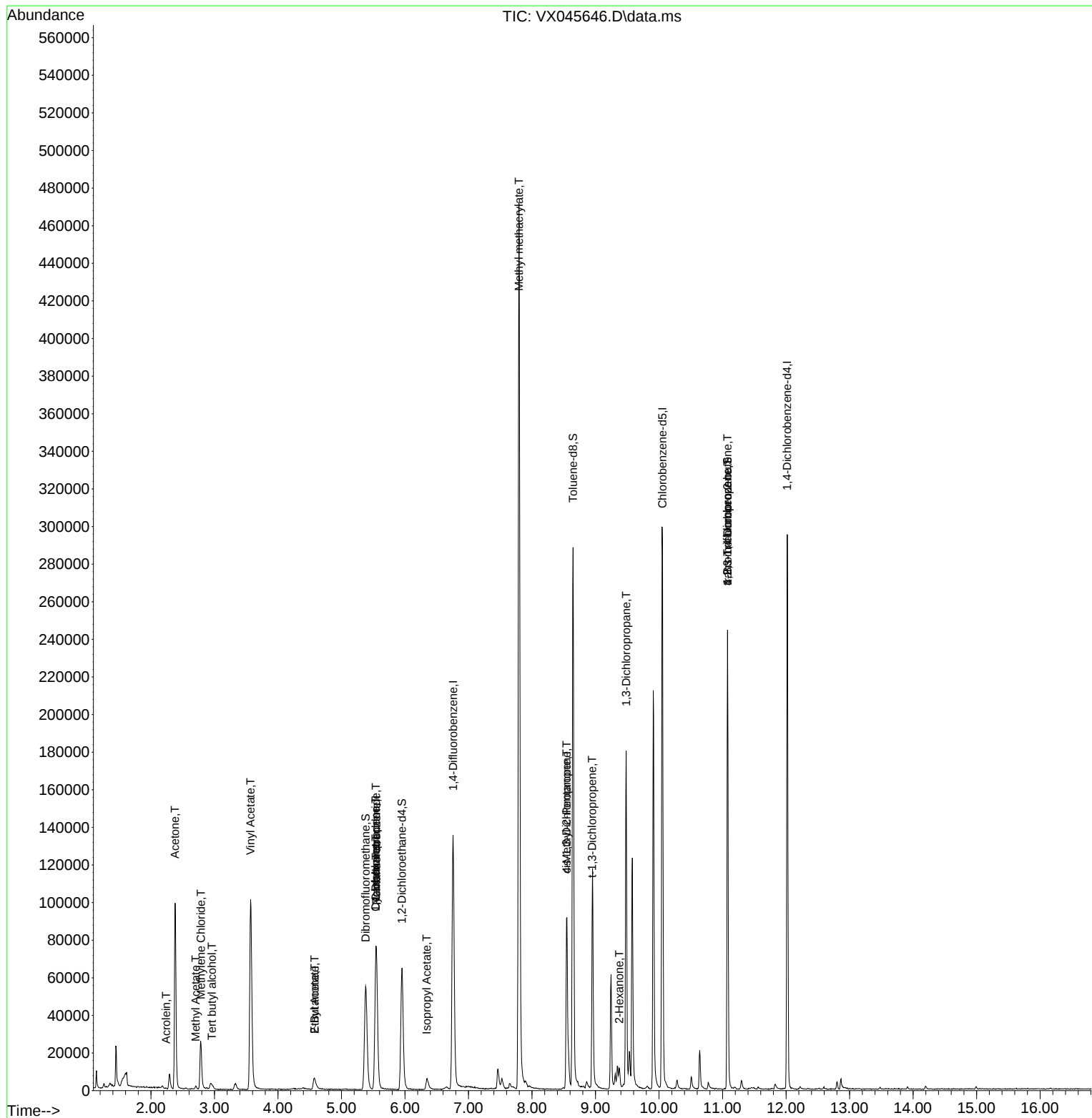
Internal Standards						
1) Pentafluorobenzene	5.550	168	64887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129172	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65484	55.186	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.380%
35) Dibromofluoromethane	5.379	113	47237	51.542	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.080%
50) Toluene-d8	8.647	98	164952	51.566	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.140%
62) 4-Bromofluorobenzene	11.079	95	61735	52.983	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	3440	21.571	ug/l #	84
13) Acrolein	2.239	56	303	1.380	ug/l #	69
16) Acetone	2.380	43	108536	222.749	ug/l	98
18) Methyl Acetate	2.703	43	2259	2.014	ug/l	97
20) Methylene Chloride	2.788	84	11788	12.923	ug/l	98
23) Vinyl Acetate	3.568	43	1786	0.710	ug/l #	74
25) 2-Butanone	4.574	43	12363	17.333	ug/l	100
31) Cyclohexane	5.538	56	1997	1.372	ug/l #	38
36) 1,1-Dichloropropene	5.538	75	6702	5.416	ug/l #	49
37) Ethyl Acetate	4.574	43	12363	7.928	ug/l #	71
38) Carbon Tetrachloride	5.544	117	8052	6.021	ug/l #	14
43) Isopropyl Acetate	6.342	43	8913	3.771	ug/l	96
48) Methyl methacrylate	7.793	41	46363	37.993	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	42247	26.964	ug/l #	49
53) t-1,3-Dichloropropene	8.946	75	218	2.439	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14172	10.433	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1463	0.922	ug/l #	42
59) 2-Hexanone	9.372	43	6887	5.936	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36004	28.063	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36004	95.241	ug/l #	1

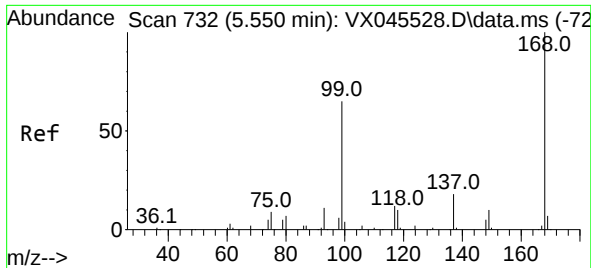
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
Data File : VX045646.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

Quant Time: Apr 09 01:37:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

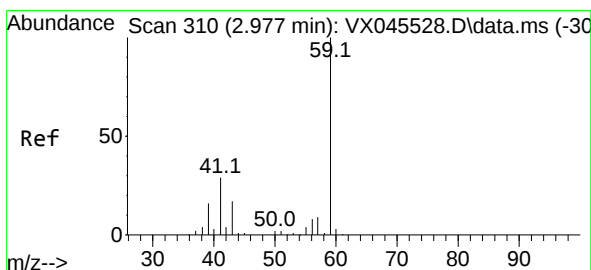
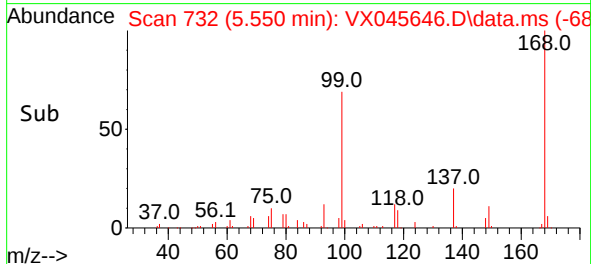
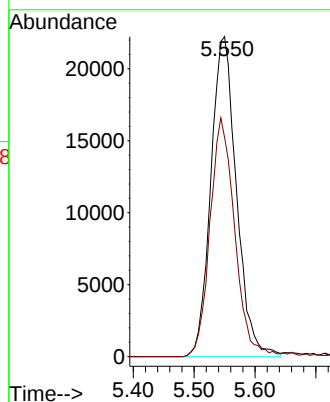
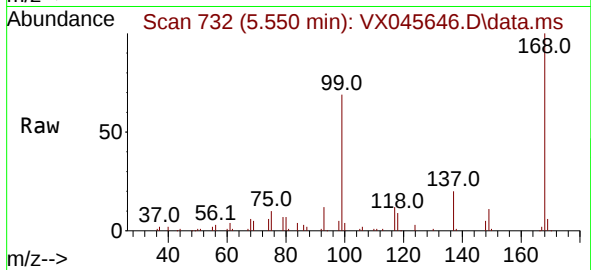




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

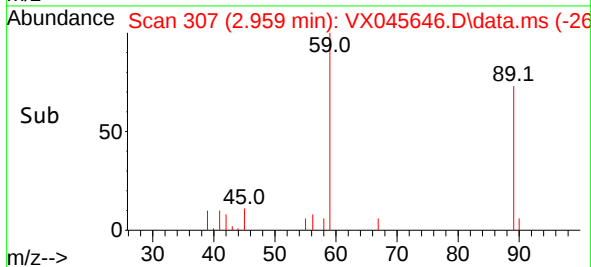
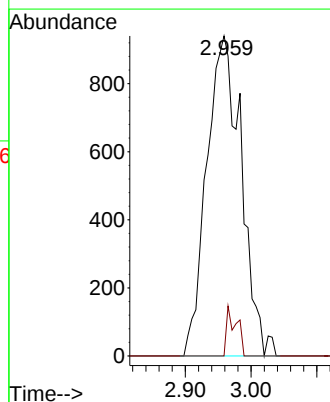
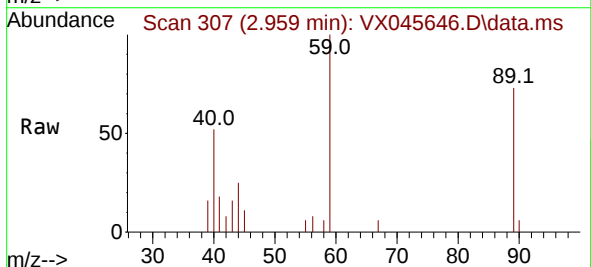
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

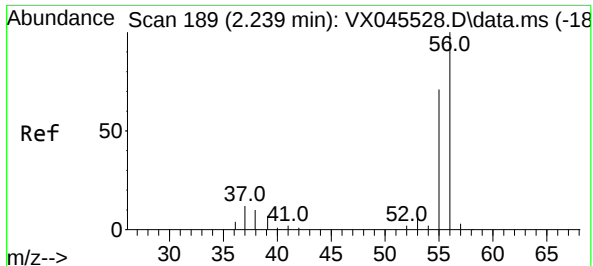
Tgt Ion:168 Resp: 64887
Ion Ratio Lower Upper
168 100
99 68.6 52.3 78.5



#11
Tert butyl alcohol
Concen: 21.571 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

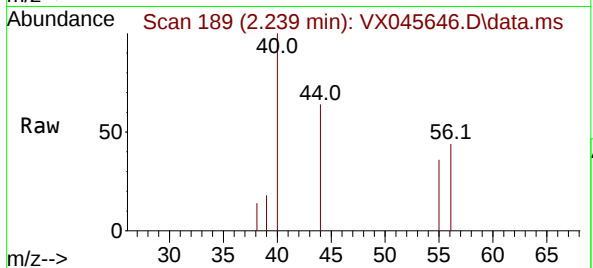
Tgt Ion: 59 Resp: 3440
Ion Ratio Lower Upper
59 100
57 4.5 8.6 12.8#



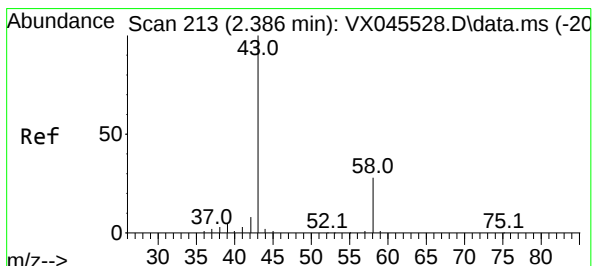
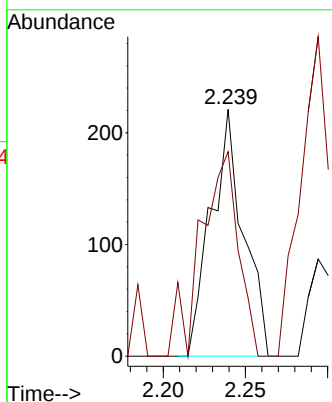
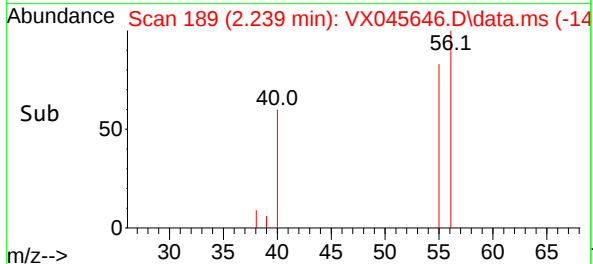


#13
Acrolein
Concen: 1.380 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

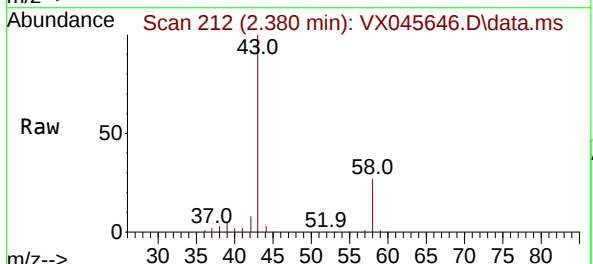
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04



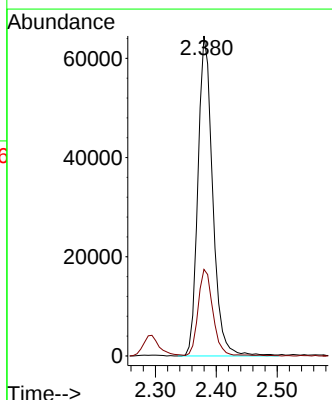
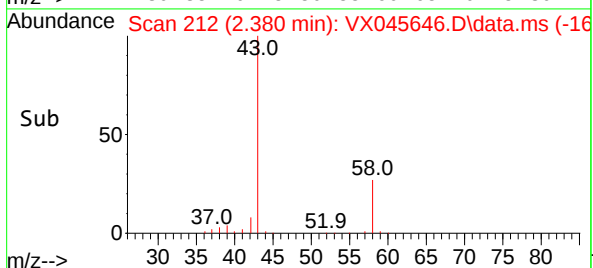
Tgt Ion: 56 Resp: 303
Ion Ratio Lower Upper
56 100
55 96.0 56.2 84.2#

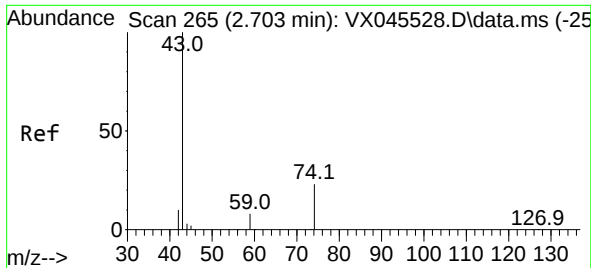


#16
Acetone
Concen: 222.749 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51



Tgt Ion: 43 Resp: 108536
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5

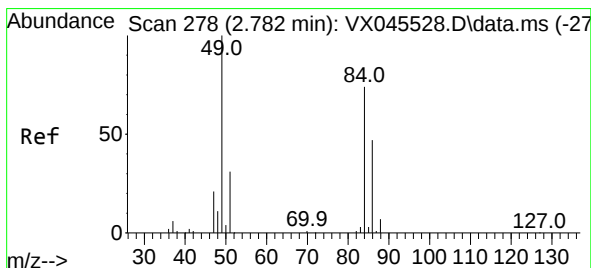
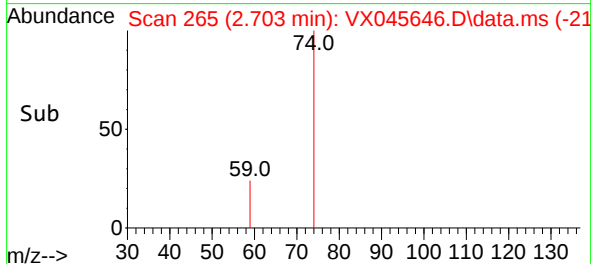
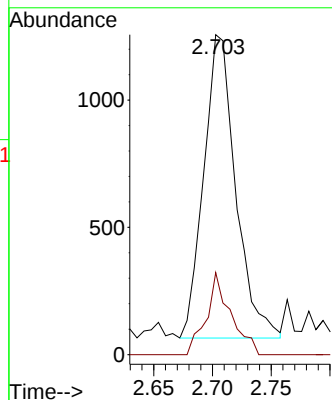
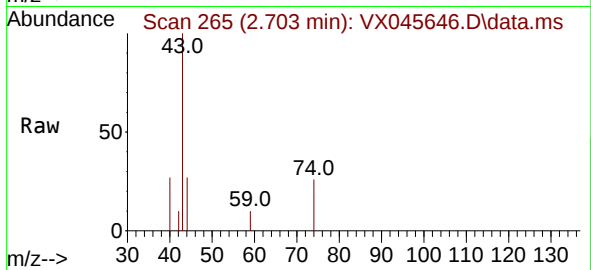




#18
Methyl Acetate
Concen: 2.014 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

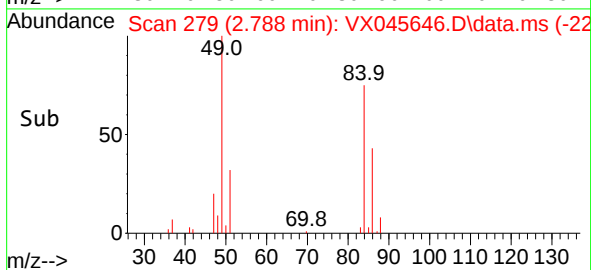
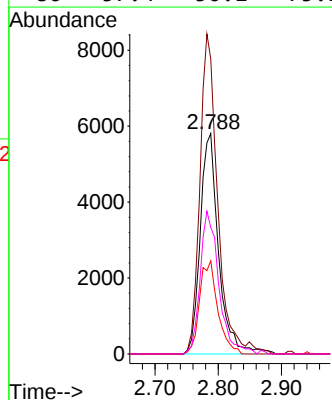
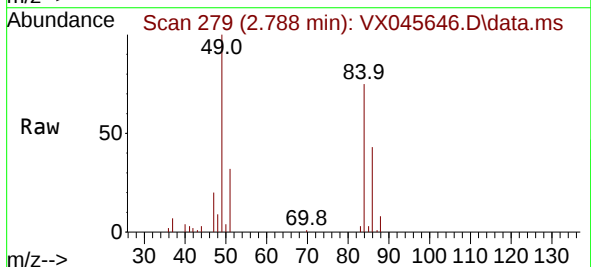
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

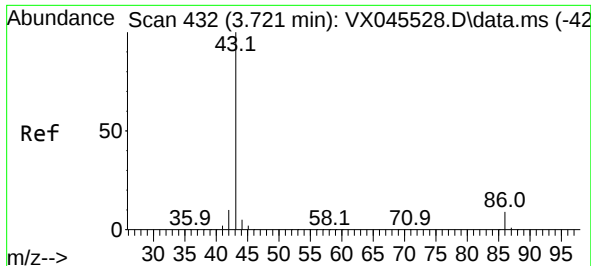
Tgt Ion: 43 Resp: 2259
Ion Ratio Lower Upper
43 100
74 20.6 17.5 26.3



#20
Methylene Chloride
Concen: 12.923 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 84 Resp: 11788
Ion Ratio Lower Upper
84 100
49 133.8 107.5 161.3
51 42.3 33.0 49.6
86 57.4 50.1 75.1

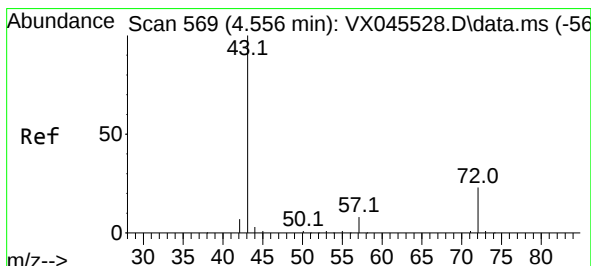
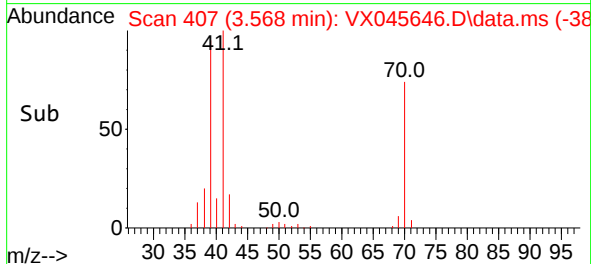
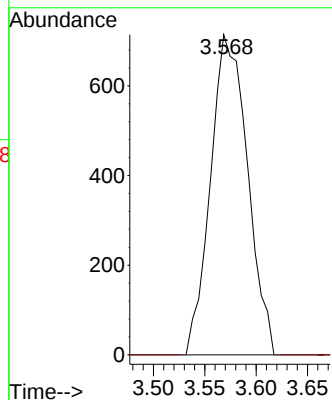
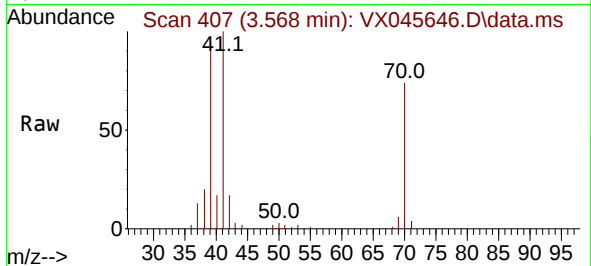




#23
 Vinyl Acetate
 Concen: 0.710 ug/l
 RT: 3.568 min Scan# 407
 Delta R.T. -0.152 min
 Lab File: VX045646.D
 Acq: 08 Apr 2025 12:51

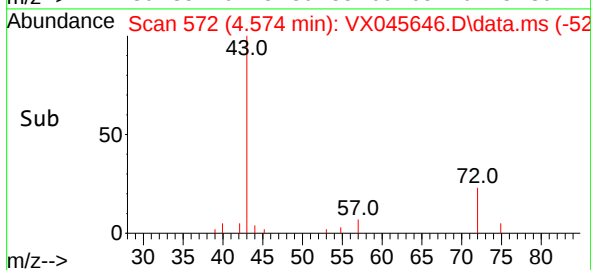
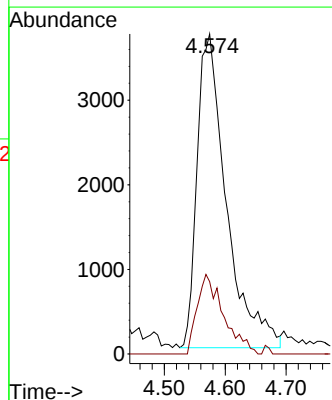
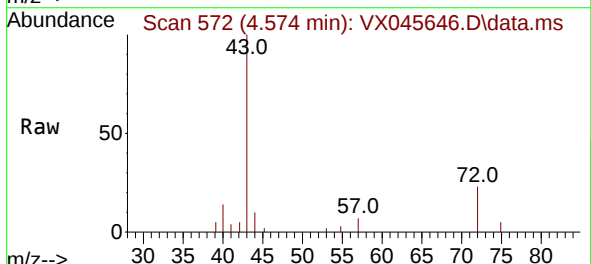
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE04

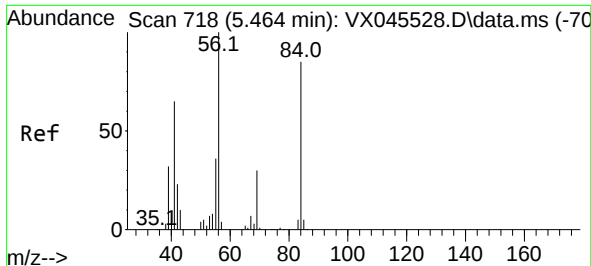
Tgt Ion: 43 Resp: 1786
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 17.333 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: VX045646.D
 Acq: 08 Apr 2025 12:51

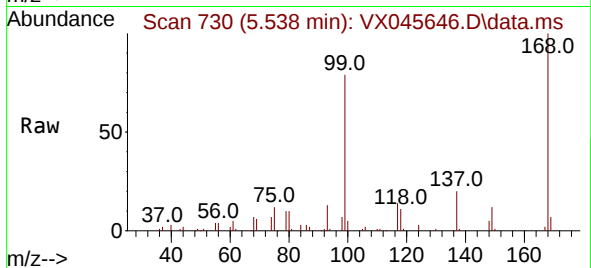
Tgt Ion: 43 Resp: 12363
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 28.0



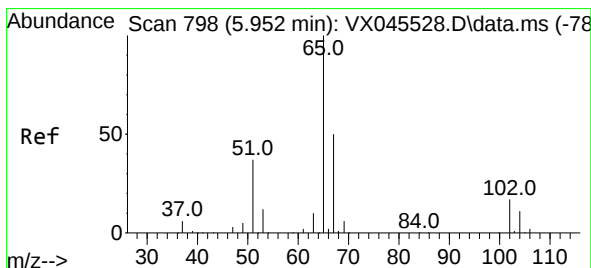
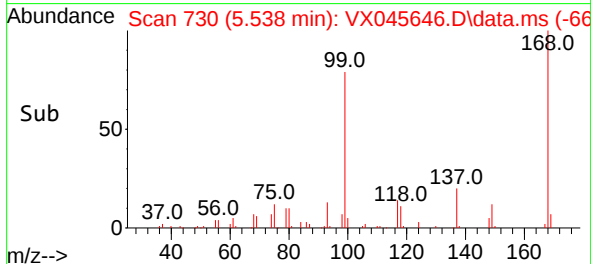
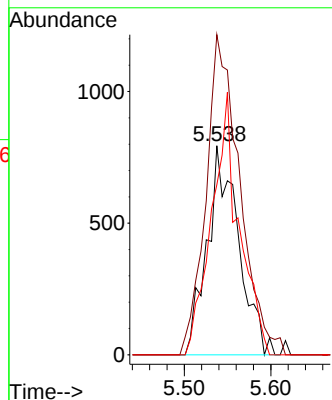


#31
Cyclohexane
Concen: 1.372 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

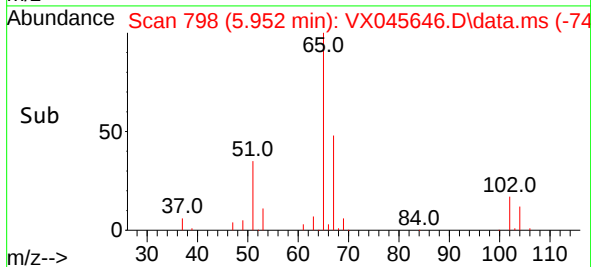
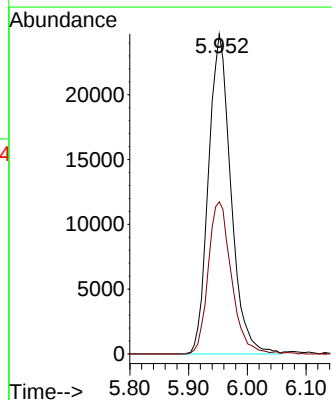
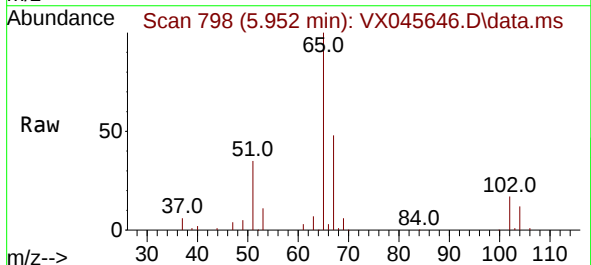


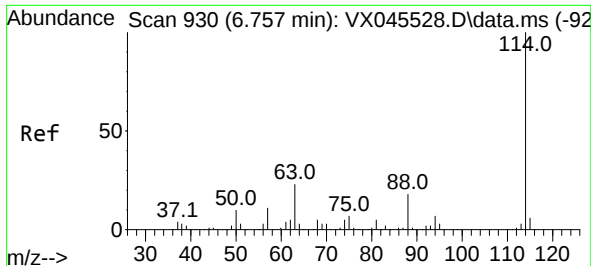
Tgt Ion: 56 Resp: 1997
Ion Ratio Lower Upper
56 100
69 153.1 23.6 35.4#
84 81.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.186 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 65 Resp: 65484
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

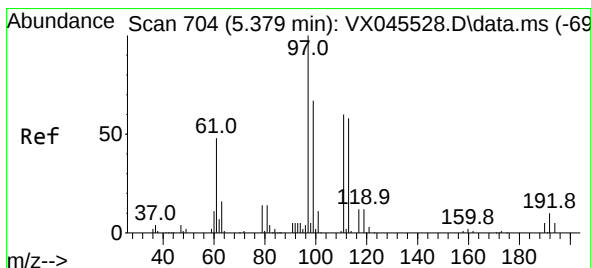
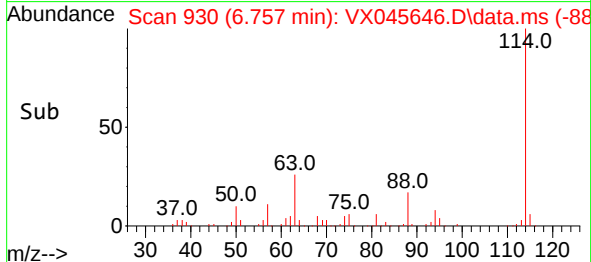
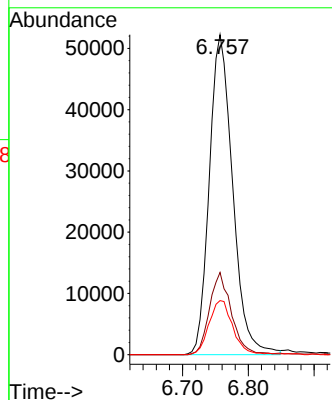
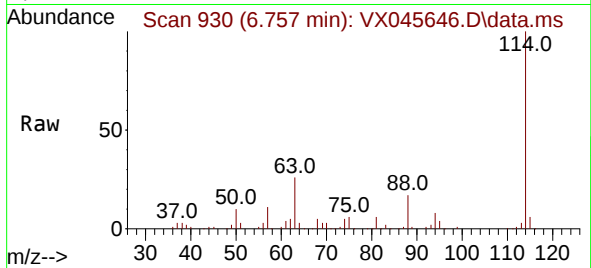




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

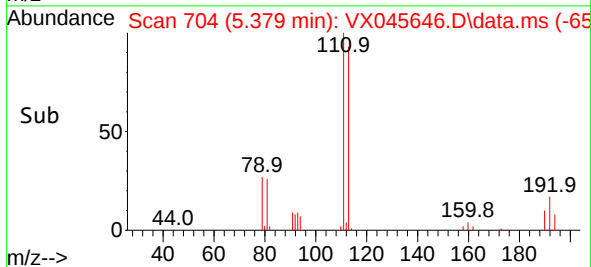
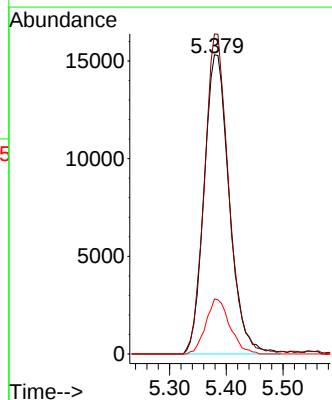
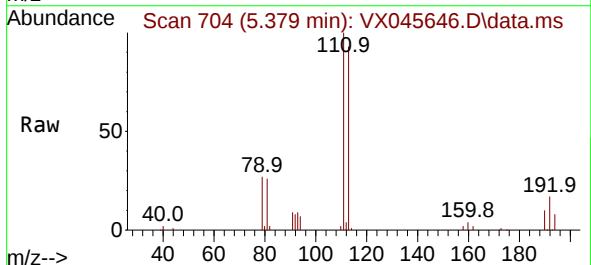
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

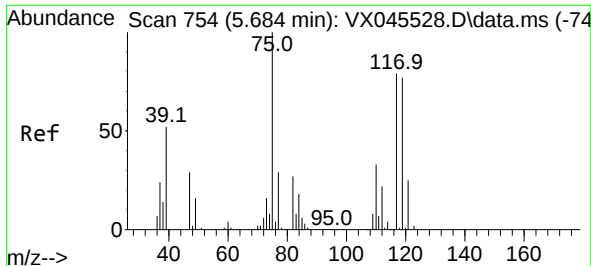
Tgt Ion:114 Resp: 129172
Ion Ratio Lower Upper
114 100
63 25.7 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.542 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

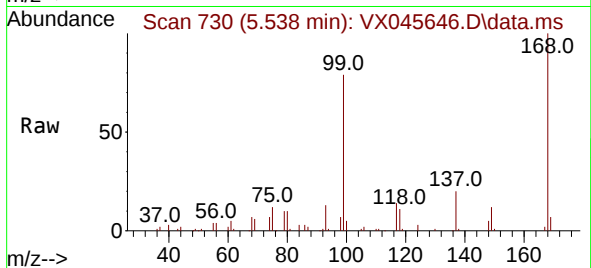
Tgt Ion:113 Resp: 47237
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.6
192 17.5 13.8 20.6



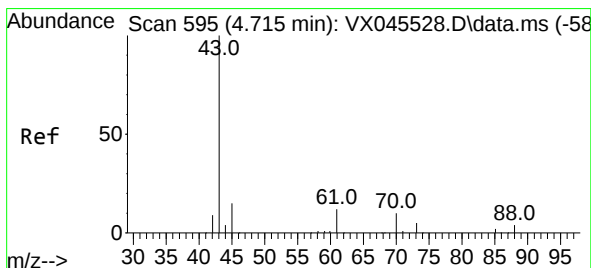
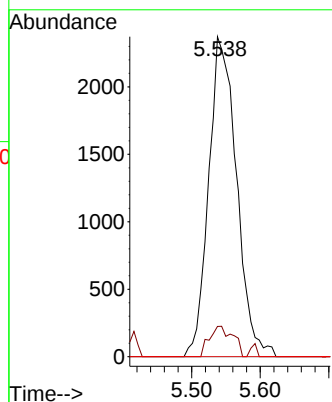
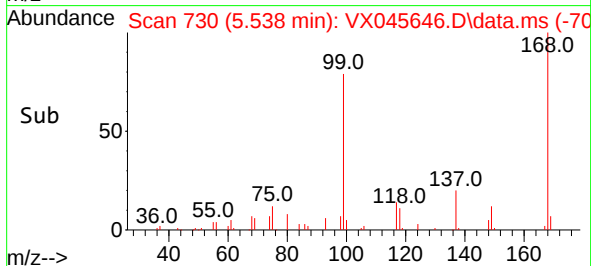


#36
1,1-Dichloropropene
Concen: 5.416 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

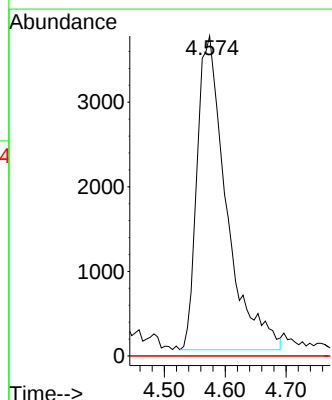
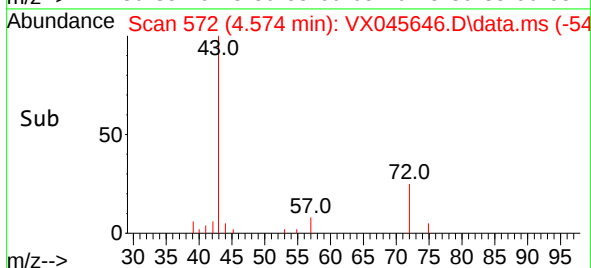
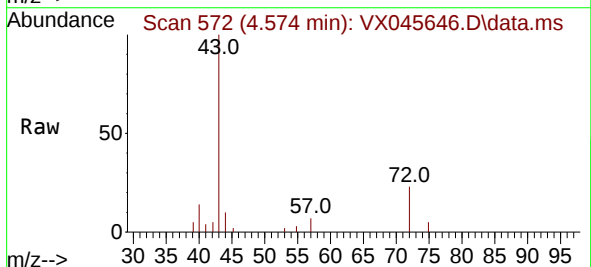


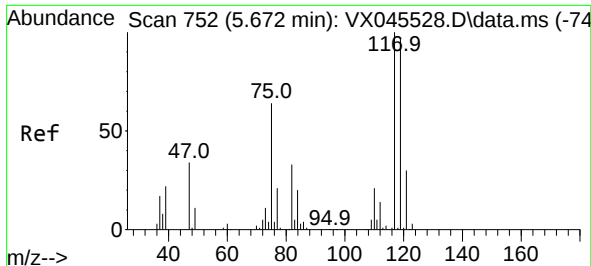
Tgt Ion: 75 Resp: 6702
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.928 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

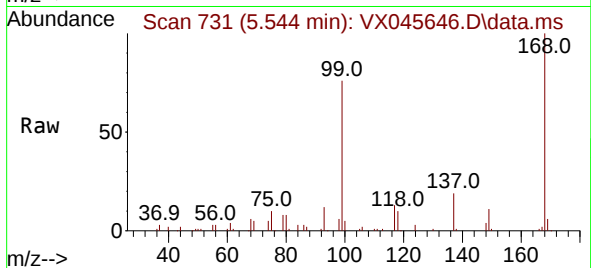
Tgt Ion: 43 Resp: 12363
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



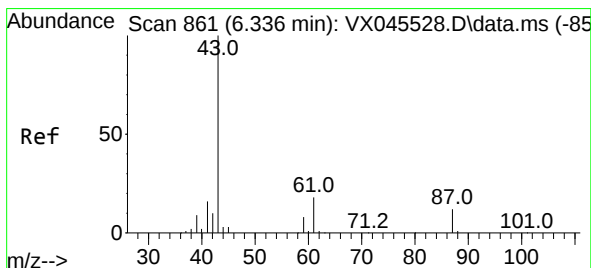
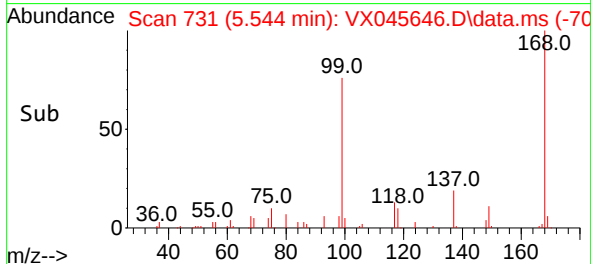
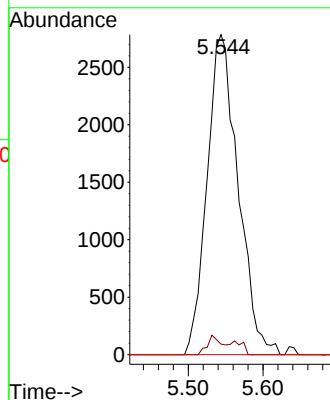


#38
Carbon Tetrachloride
Concen: 6.021 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

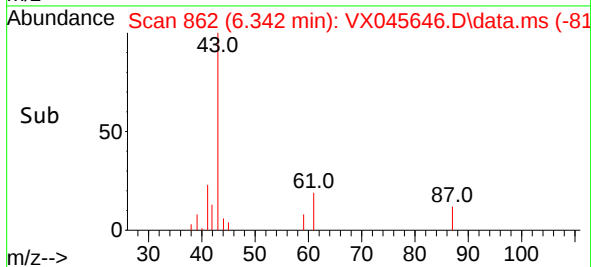
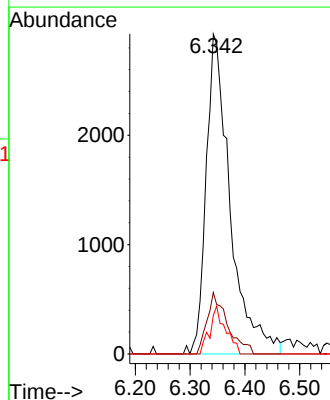
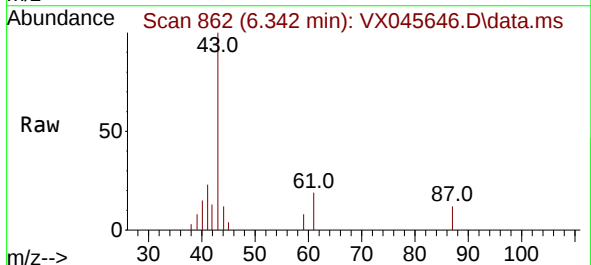


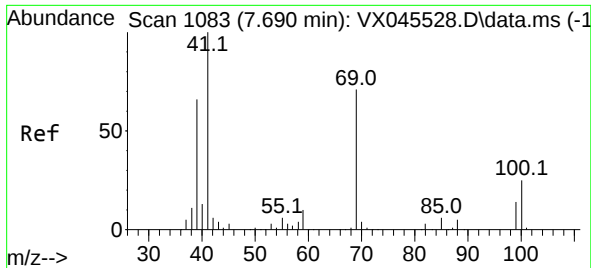
Tgt Ion:117 Resp: 8052
Ion Ratio Lower Upper
117 100
119 3.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.771 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 43 Resp: 8913
Ion Ratio Lower Upper
43 100
61 16.3 14.1 21.1
87 9.7 9.2 13.8

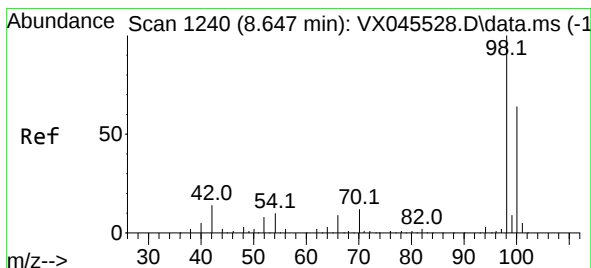
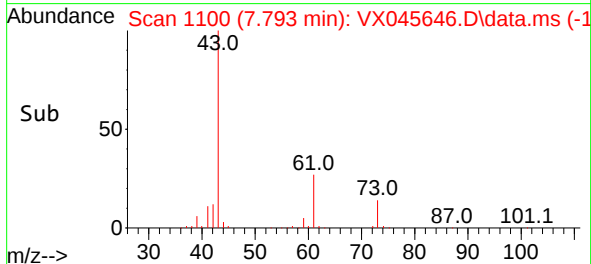
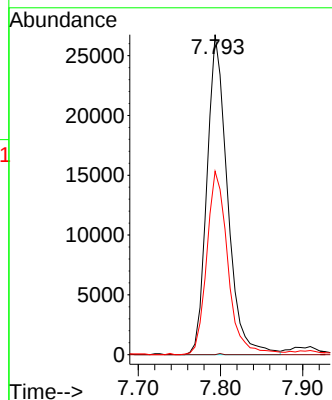
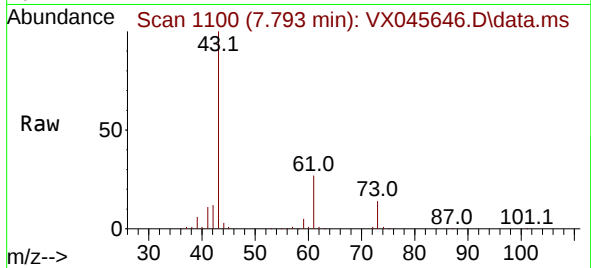




#48
Methyl methacrylate
Concen: 37.993 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

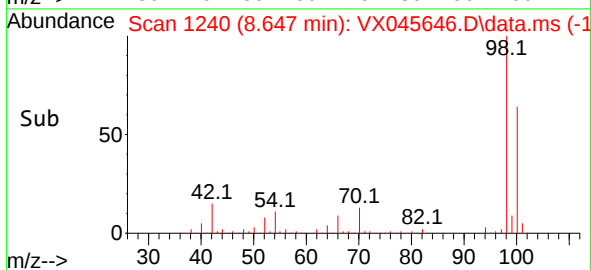
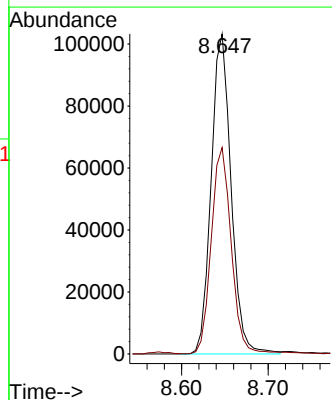
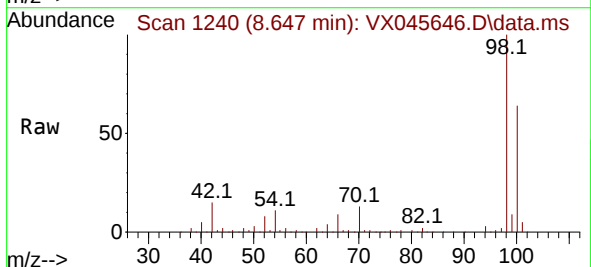
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

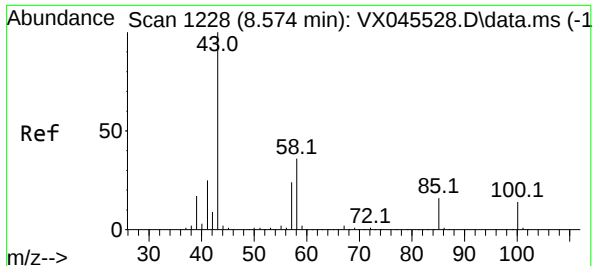
Tgt Ion: 41 Resp: 46363
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 59.1 53.6 80.4



#50
Toluene-d8
Concen: 51.566 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 98 Resp: 164952
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

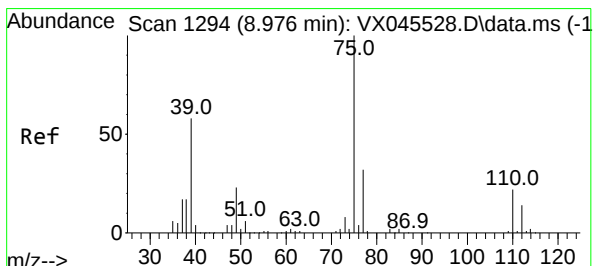
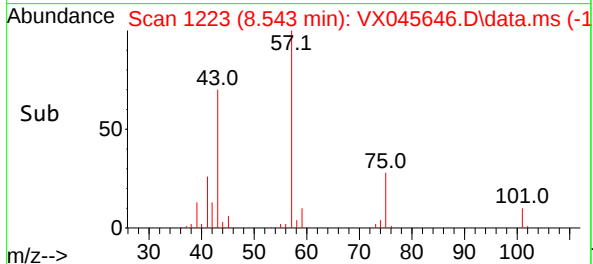
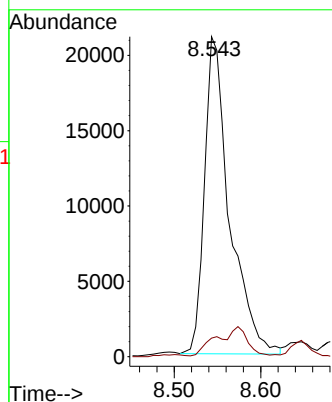
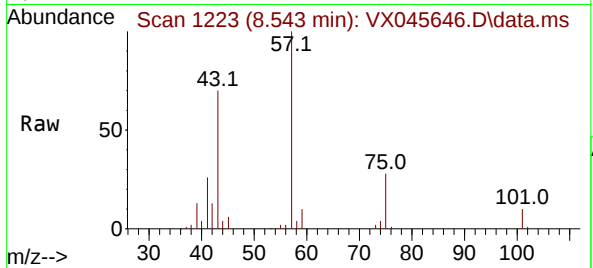




#51
4-Methyl-2-Pentanone
Concen: 26.964 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

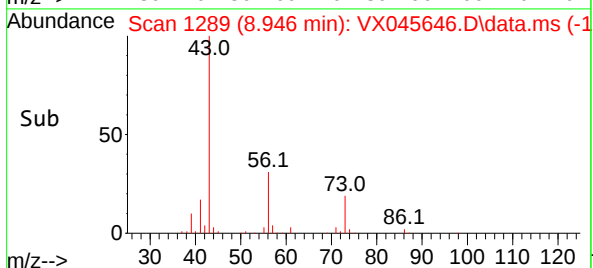
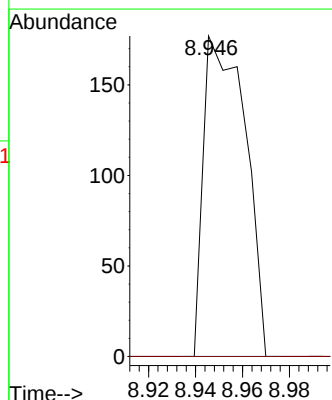
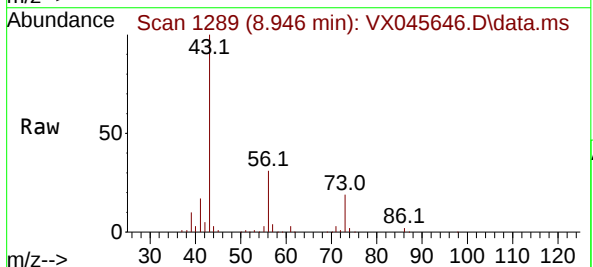
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

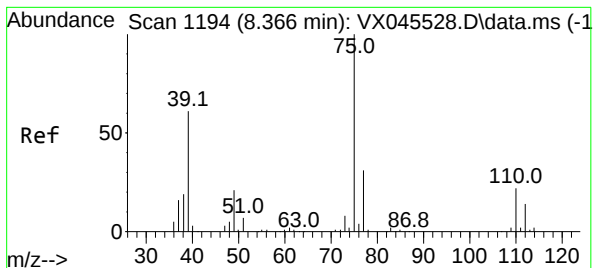
Tgt Ion: 43 Resp: 42247
Ion Ratio Lower Upper
43 100
58 5.6 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.439 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 75 Resp: 218
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 10.433 ug/l

RT: 8.543 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045646.D

Acq: 08 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE04

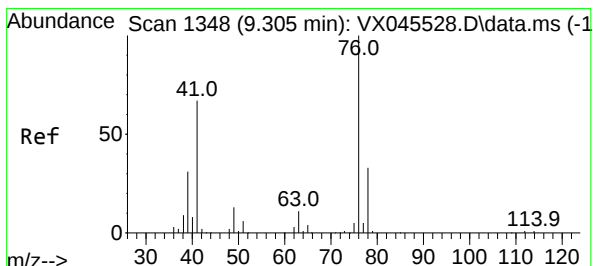
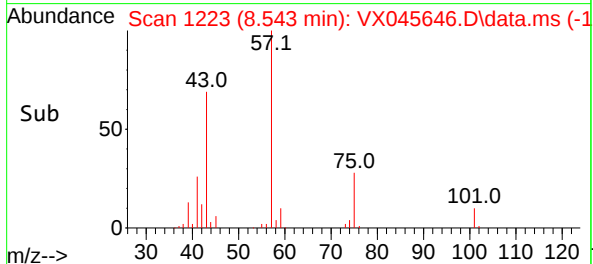
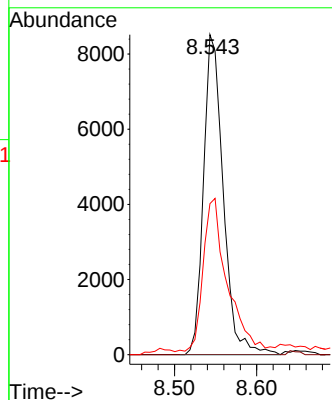
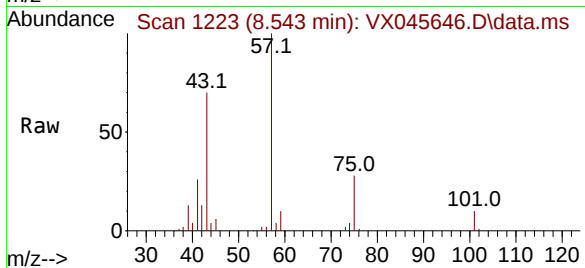
Tgt Ion: 75 Resp: 14172

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 45.8 48.4 72.6#



#57

1,3-Dichloropropane

Concen: 0.922 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045646.D

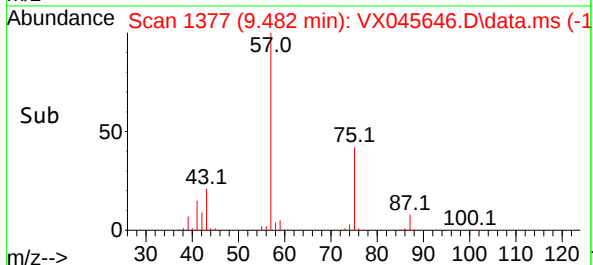
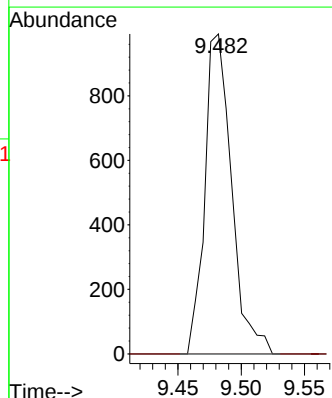
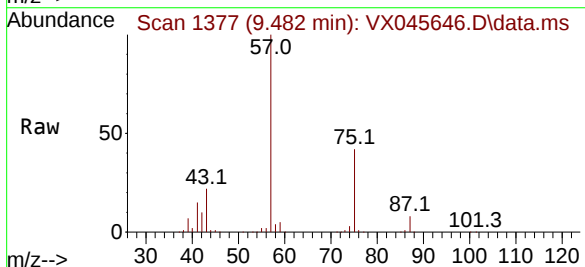
Acq: 08 Apr 2025 12:51

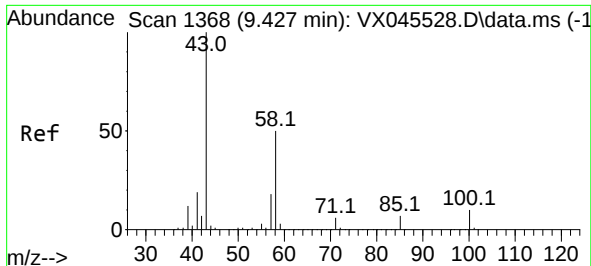
Tgt Ion: 76 Resp: 1463

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

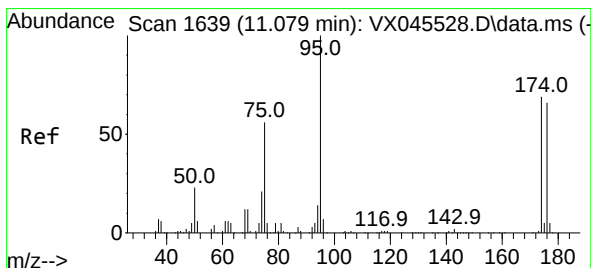
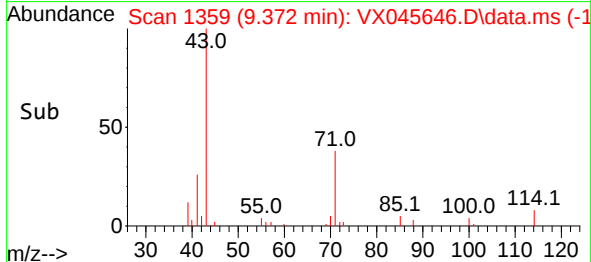
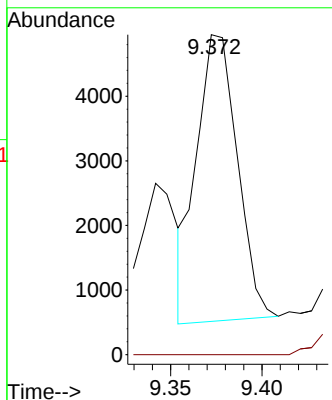
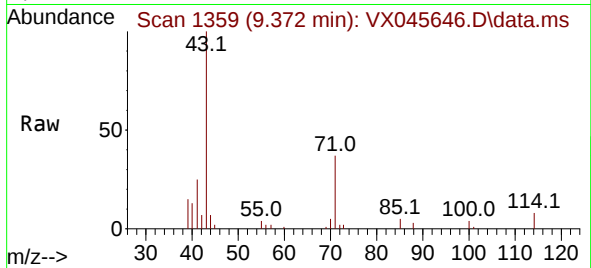




#59
2-Hexanone
Concen: 5.936 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

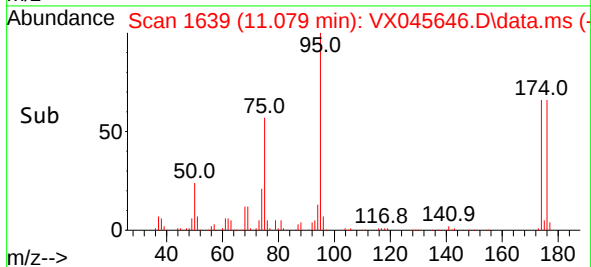
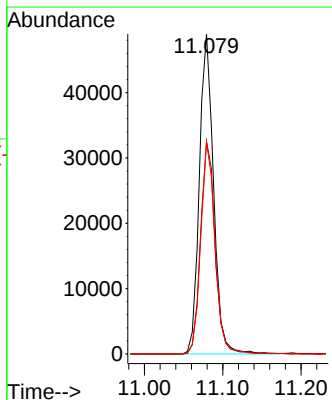
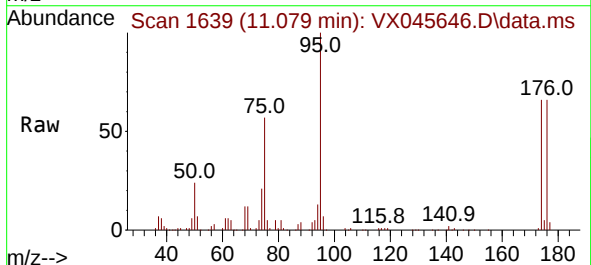
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

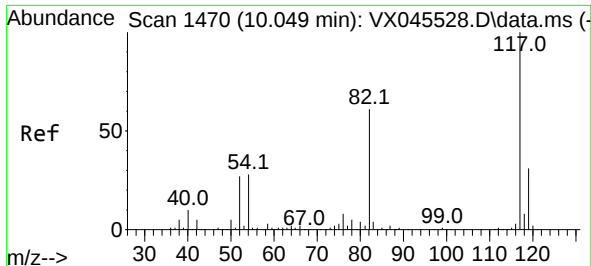
Tgt Ion: 43 Resp: 6887
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion: 95 Resp: 61735
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 66.2 0.0 131.4

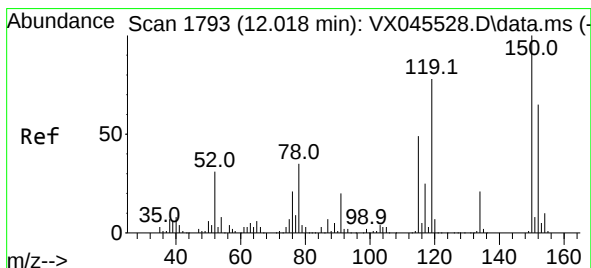
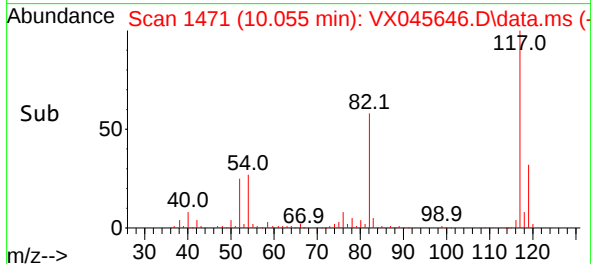
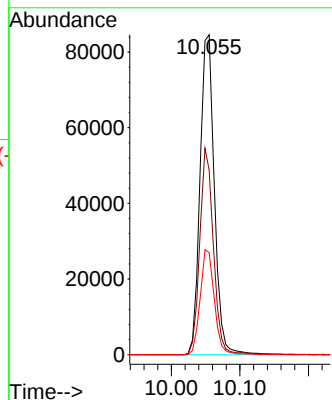
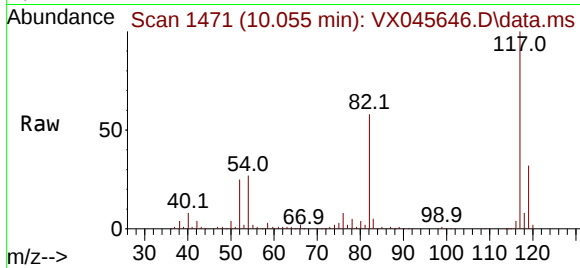




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

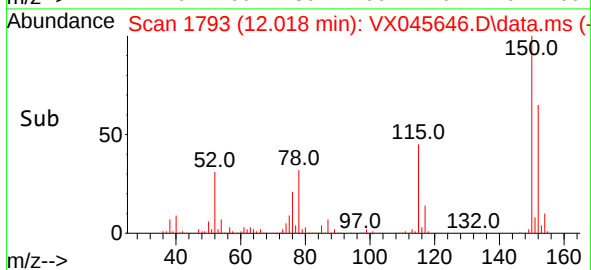
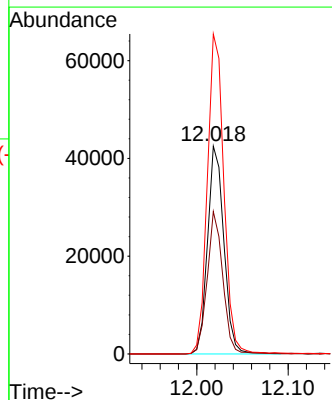
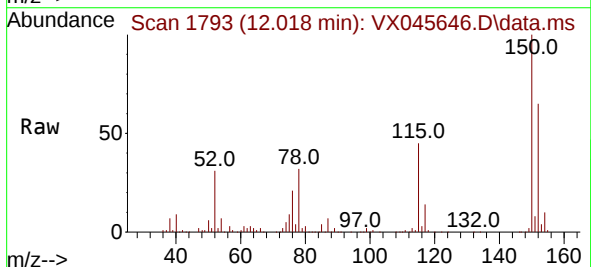
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE04

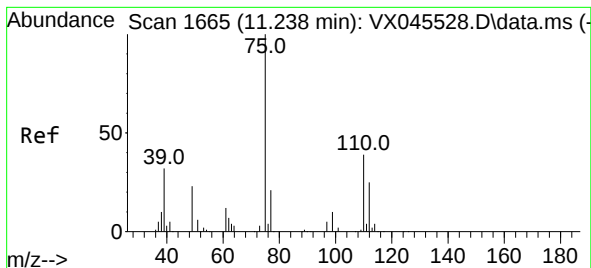
Tgt Ion:117 Resp: 123497
Ion Ratio Lower Upper
117 100
82 57.6 49.2 73.8
119 31.9 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045646.D
Acq: 08 Apr 2025 12:51

Tgt Ion:152 Resp: 52598
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 156.0 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.063 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX045646.D

Acq: 08 Apr 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

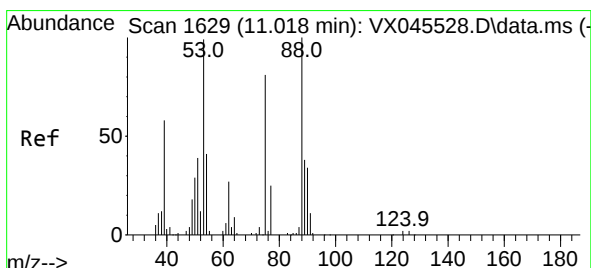
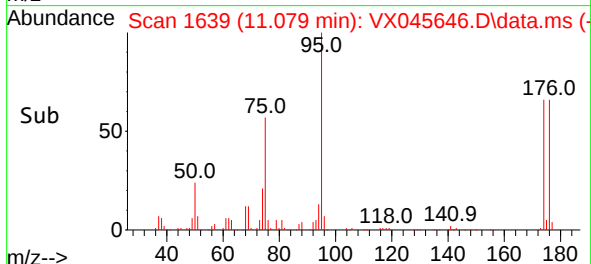
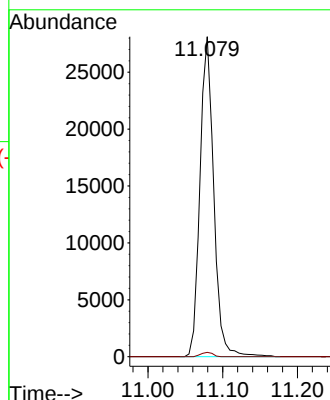
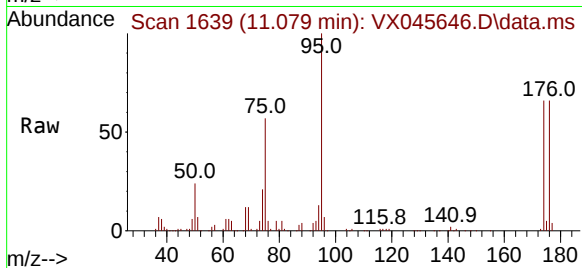
PB167492ZHE04

Tgt Ion: 75 Resp: 36004

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.241 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045646.D

Acq: 08 Apr 2025 12:51

Tgt Ion: 75 Resp: 36004

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

